

# From the INTERNATIONAL SEARCHING AUTHORITY NOTIFICATION OF TRANSMITTAL OF General Electric Company THE INTERNATIONAL SEARCH REPORT International Patent Operation OR THE DECLARATION Attn. CHASKIN, Jay L. 3135 Easton Turnpike Mail Drop W3C (PCT Rule 44.1) Fairfield, Connecticut 06431-0001 UNITED STATES OF AMERICA Date of mailing, (day/month/year) 17/03/1998 Applicant's or agent's file reference FOR FURTHER ACTION RD25877/2452 See paragraphs 1 and 4 below International application No. International filing date (day/month/year) PCT/US 97/16812 22/10/1997 Applicant GENERAL ELECTRIC COMPANY et al. 1. X The applicant is hereby notified that the International Search Report has been established and is transmitted herewith. Filing of amendments and statement under Article 19 The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46): When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet. Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith. 3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicants's request to forward the texts of boththe protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Further action(s): The applicant is reminded of the following: Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication. Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later). Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II. Name and mailing address of the International Searching Authority Authorized officer

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#### NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty, in case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

#### INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international polication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

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Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been is filed, see below.

#### How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the International application is to be published.

# What documents must/may accompany the amendments?

## Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

## NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

# The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
   "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
   "Claims 1 to 6 and 14 unchanged: claims 7 to 13 cancelled; new claims 15, 16 and 17 added " or
  - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

#### "Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

## It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

# Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

## Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.



# INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference RD25877/2452	FOR FURTHER  see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.			
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)		
PCT/US 97/16812	22/10/1997	25/09/1996		
Applicant				
GENERAL ELECTRIC COMPAN	Y et al.			
This International Search Report has according to Article 18. A copy is bein	been prepared by this International Searching Aut g transmitted to the International Bureau.	hority and is transmitted to the applicant		
	sists of a total of2 sheets. copy of each prior art document cited in this report			
Certain claims were found	l unsearchable(see Box I).			
2. Unity of invention is lacking	ng(see Box II).			
	n contains disclosure of a <b>nucleotide and/or amin</b> rried out on the basis of the sequence listing	o acid sequence listing and the		
	filed with the international application.	enational application		
	furnished by the applicant separately from the inte  but not accompanied by a statement to the matter going beyond the disclosure in the	ne effect that it did not include		
	Transcribed by this Authority			
	text is approved as submitted by the applicant			
	the text has been established by this Authority to o	ead as follows:		
5. With regard to the abstract,				
<del></del>	the text is approved as submitted by the applicant			
	the text has been established, according to Rule 3 Box III. The applicant may, within one month from Search Report, submit comments to this Authority	the date of mailing of this International		
6. The figure of the <b>drawings</b> to be p	published with the abstract is:			
	as suggested by the applicant.	X None of the figures.		
	because the applicant failed to suggest a figure.	1		
	because this figure better characterizes the invent			

A. CLASSIFICATION OF SUBJECT MATTER IPC 6 C22B9/18					
According to	o International Patent Classification(IPC) or to both national class	nification and IBC			
	SEARCHED	silication and IPC			
Minimum do	ocumentation searched (classification system followed by classifi C22B	cation symbols)			
Documenta	tion searched other than minimumdocumentation to the extent th	at such documents are included in the fields se	arched		
Electronic d	lata base consulted during the international search (name of data	a base and. where practical, search terms used	)		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.		
Α	EP 0 249 050 A (LEYBOLD HERAEUS GMBH & CO KG) 16 December 1987				
Α	EP 0 005 199 A (SALZGITTER PEINE STAHLWERKE) 14 November 1979				
Α	US 5 002 731 A (CROOK PAUL ET AL) 26 March 1991				
Α	DE 26 48 968 A (NIPPON STEEL CORP) 5 May 1977				
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Furt	her documents are listed in the continuation of box C.	Patent family members are listed	in annex.		
'Special categories of cited documents:  "T" later document published after the international filing date or priority date and not in conflict with the application but					
consid	dered to be of particular relevance document but published on or after the international	cited to understand the principle or th invention  "X" document of particular relevance; the cannot be considered novel or canno	claimed invention		
which citatio	ent which may throw doubts on priority claim(s) or is cited to establish the publicationdate of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	involve an inventive step when the do "Y" document of particular relevance; the cannot be considered to involve an in	ocument is taken alone claimed invention eventive step when the		
other "P" docum	means ent published prior to the international filing date but han the priority date claimed	document is combined with one or m ments, such combination being obvio in the art.  "8" document member of the same patent	ous to a person skilled		
Date of the	actual completion of theinternational search	Date of mailing of the international sea	arch report		
1	0 March 1998	17/03/1998			
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk	Authorized officer			
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